

DIALOG(R)File 351:Derwent WPI
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Composite polymer fibre having good heat resistance - has polyamide core component and polyphenylene sulphide sheath component

Patent Assignee: UNITIKA LTD (NIRA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 3040813	A	19910221	JP 89170882	A	19890630	199114 B

Priority Applications (No Type Date): JP 89170882 A 19890630

Abstract (Basic): JP 3040813 A

A composite fibre comprises core sheath composite fibre consisting of core component (A) of polyamide and sheath component (B) of polyphenylene sulphide, and ratio of (B/A+B) in cross sectional area of composite fibre is 0.14-0.56.

Polyamide has more than 2.4, pref. more than 2.6 of sulphuric acid relative viscosity, and is nylon 6, 66, 610 etc. and copolymerised polyamide contg. more than 85 mol% of these. The most pref. (A) is nylon 6 or nylon 66 having 2.6-3.5 of relative viscosity. The cross sectional shape of the composite fibre may be flat or modified cross section as far as (B) covers all the surface of (A). The thickness of (B) must be at least 1.5 micron. Polyphenylene sulphide may be contained less than 5 wt% of other polymer, copolymer additives etc..
USE/ADVANTAGE - The composite fibre has good heat resistance and useful for dust removal filter, filter material for liq. and gas, dry felt in paper making, electric insulating filter. Filter has high strength and softness, and good chemical resistance and electric insulation. (4pp
Dwg.No.0/0)

5/3,AB,LS/3 (Item 1 from file: 345)

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat

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Basic Patent (No,Kind,Date): JP 3040813 A2 910221

<No. of Patents: 001>

CONJUGATE FIBER EXCELLENT IN HEAT RESISTANCE (English)

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